

Title (en)

HYDROXYL APATITE MATERIAL CONTAINING TRICALCIUM PHOSPHATE, HAVING A MICROPOROUS STRUCTURE

Title (de)

TRICALCIUMPHOSPHAT-HALTIGES HYDROXYLAPATIT-MATERIAL MIT MIKROPORÖSER STRUKTUR

Title (fr)

HYDROXYAPATITE CONTENANT DU PHOSPHATE TRICALCIQUE, A STRUCTURE MICROPOREUSE

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Application

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Abstract (en)

[origin: WO0128919A1] The invention relates to a hydroxylapatite material containing tricalcium phosphate wherein the microporous structure of algae hard-tissue raw material is retained in the end product and which can be obtained by reacting an organic compound devoid of algae hard-tissue in an alkaline aqueous phosphate solution by adding magnesium ions at an elevated temperature. The invention also relates to a method for the production of said hydroxyl apatite material containing tricalcium phosphate. The inventive hydroxyl apatite material containing tricalcium phosphate, which is characterized in that it is especially well resorbed in the body, is especially suitable as a bone substitute material or as a carrier material for active ingredients. Said material can also be used as a filter material.

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